

**Table S1.** The age and gender distribution of cats based on thyroid status (euthyroid, suspected uncontrolled hyperthyroidism, suspected non-thyroidal illness [SNTIS], suspected spontaneous hypothyroidism (SSH), iatrogenic hypothyroidism).

|   | Number<br>of cats | Age (years): median<br>(range, IQR) | Number (%) of<br>female cats | Number (%) of<br>male cats | Number (%)<br>of cats with<br>gender not<br>stated |
|---|-------------------|-------------------------------------|------------------------------|----------------------------|--|
| Euthyroid                                 | 25169             | 9.2 (3-12, 7-10.7)                  | 11370 (45.2%)                | 12884 (51.2%)              | 915 (3.6%)   |
| Suspected uncontrolled<br>hyperthyroidism | 1512              | 10.5 (3-12, 9.2-11.4)               | 749 (49.6%)                  | 696 (46%)                  | 67 (4.4%)  |
| SNTIS                                     | 3818              | 9.1 (3-12, 7.2-10.7)                | 1572 (41.2%)                 | 2103 (55.1%)               | 143 (3.7%)   |
| SSH                                       | 61                | 9.6 (4-12, 6.9-10.6)                | 26 (42.6%)                   | 33 (54.1%)                 | 2 (3.3%)   |
| Iatrogenic hypothyroidism                 | 65                | 10.4 (5.9-12, 9.2-11.1)             | 30 (46.2%)                   | 32 (49.2%)                 | 3 (4.6%)   |

Abbreviations: IQR = interquartile range.